



SUPERCAP ENERGY PACK

ECO-1000

EDGEBoost EnergyPack with Industrial-Grade Supercapacitors



Features

- 8x/16x Industrial 370 Farads Supercapacitors
- Up to 200W Max. Power Output
- 1x COM, 1x USB for GUI Remote Management and Monitoring
- 2 IN / 2 OUT DIO
- -20°C to 55°C Wide Operating Temperature
- EN50155: EN50121-3-2, CE, FCC Class A, UL Certification
- 3x Smart Modes with Remote On/Off, Ignition Control, Delay Time
- 12V/24V Compatibility: Industrial PCs, Panel PCs, Displays

Specifications

Power

Capacity	• 8S Model: 8x 370 Farads Supercapacitors • 16S Model: 16x 370 Farads Supercapacitors
Input Connector	3-pin Terminal Block (V+, GND, IGN IN)
Input Voltage	12 ~ 35 VDC
Output Connector	3-pin Terminal Block (V+, GND)
Output Power	• 8S Model: Max.100W output • 16S Model: Max. 200W output
Output Voltage	Charge mode: DC IN Voltage bypass (DC OUT = DC IN) Discharge mode: 12V or 24V Caution: • To use output voltage 24V DC, ECO-1000 input voltage must be 24V- 35V • Different voltage input/output can damage the systems. Ensure ECO-1000 Voltage Out setting matches the voltage input of external system. • For example, If the external system has a fixed voltage of 12V DC IN, the ECO-1000 must be configured for 12V DC OUT.
Charging Mode	Quick and Normal Charging
Power Ignition	Power Ignition Management
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

I/O

COM	1x RS-232
DIO	2 in / 2 out
USB	1x USB Type A
Others	1x Remote Power On/Off 1x Smart Mode Switch 1x Mode Reset Switch

Environment

Operating Temperature	-20°C to 55°C
Storage Temperature	-30°C to 85°C
Relative Humidity	10% to 95% (non-condensing)
Certification	CE, FCC Class A, UL 62368-1 Ed. 3 EMC Conformity with EN50155, EN50121-3-2
Vibration	5 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	20G, half sine, 11ms

Physical

Dimensions	100 (W) x 192 (D) x 192 (H) mm
Weights	ECO-1000-8S-LCM: 2 KG ECO-1000-16S-LCM: 2.6 KG
Construction	Heavy Duty Metal
Mounting Options	Wall Mounting, DIN Rail Mounting (Optional)

Available Models

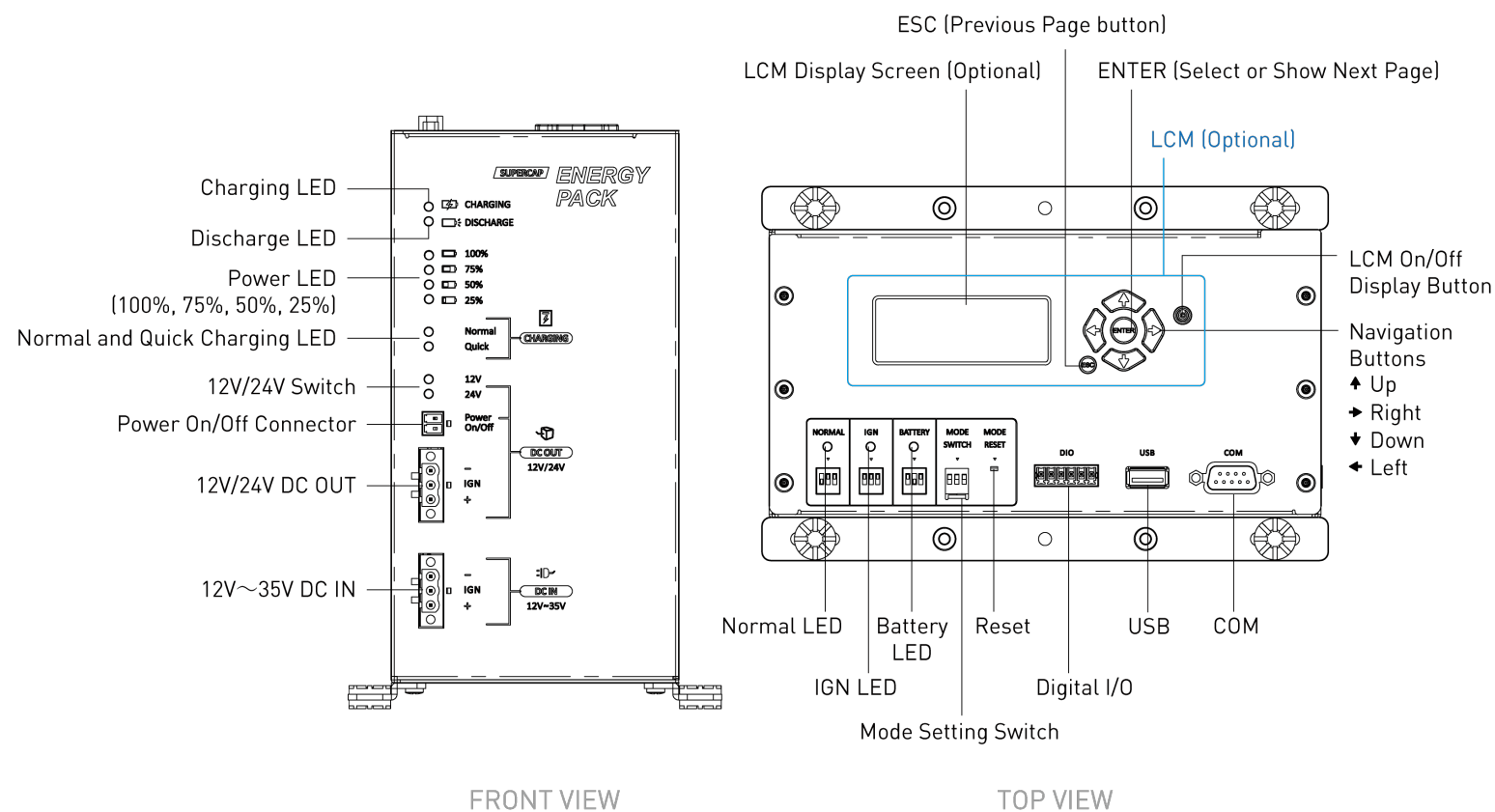
- ECO-1000-8S-LCM
EDGEBoost EnergyPack with 8x Industrial-Grade Supercapacitors and LCM Display Module
- ECO-1000-16S-LCM
EDGEBoost EnergyPack with 16x Industrial-Grade Supercapacitors and LCM Display Module
- ECO-1000-8S-LCM-P
EDGEBoost EnergyPack with 8x Industrial-Grade Supercapacitors and LCM Display Module, w/ Power Adapter
- ECO-1000-16S-LCM-P
EDGEBoost EnergyPack with 16x Industrial-Grade Supercapacitors and LCM Display Module, w/ Power Adapter

Packing List

- 1x ECO-1000 Series EDGEBoost EnergyPack
- 1x Wall Mount Kit

* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm

